

CLAIMS

1. A protection product characterized in that it is made using a woven fabric woven with a high-performance fiber, wherein
5 the opening rate is 0 to 5% due to thread-opening treatment, and the width of a thread constituting the woven fabric is 10-fold or more relative to the thickness of the thread.

2. A protection product characterized in that it is made
10 using a woven fabric woven with a high-performance fiber, wherein the opening rate is 0 to 2% due to thread-opening treatment, and the width of a thread constituting the woven fabric is 20-fold or more relative to the thickness of the thread.

15 3. A protection product characterized in that it is made using a woven fabric woven with a high-performance fiber, wherein the cross-sectional shape of a thread constituting the woven fabric is thinner on the edge side of both ends as compared with the intermediate part in the width direction.

20 4. A protection product characterized in that it is made using a woven fabric woven with a twistless high-performance fiber having a fineness of 200 to 15,000 dtex, wherein the ratio of the thread width to the thread thickness of at least one of
25 a warp and a weft is 10 to 100, and the opening rate is 0 to 5%.

5. A protection product comprising a laminate in which woven fabrics according to claim 4 are laminated and fixed.

6. A protection product comprising a fiber-reinforced plastic containing a woven fabric woven with a twistless high-performance fiber having a fineness of 200 to 15,000 dtex, wherein the ratio of the thread width to the thread thickness of at least one of a warp and a weft is 10 to 100, and the opening rate is 0 to 5%, or a laminate in which the woven fabrics are laminated, a thermosetting resin and/or a thermoplastic resin.

7. A protection product comprising a composite molded product in which a metal or/and a ceramic are laminated on the fiber-reinforced plastic according to claim 6.

8. The protection product according to any one of claims 1 to 4, and 6, wherein the high-performance fiber is one or more fibers selected from aromatic polyamide, ultra high molecular weight polyethylene, polyparaphenylene benzobisoxazole, polyether ether ketone, polyketone, liquid crystalline polyester, vinylon and polypyridobisimidazole.

9. The protection product according to any one of claims 1 to 7, which is a bullet-proof vest.

10. The protection product according to any one of claims 1 to 7, which is a helmet.

11. The protection product according to any one of claims 1 to 7, which is a hard plate.